



CURRENT PORT OPENING COMPANY DESIGN



PORT OPENING COMPANY

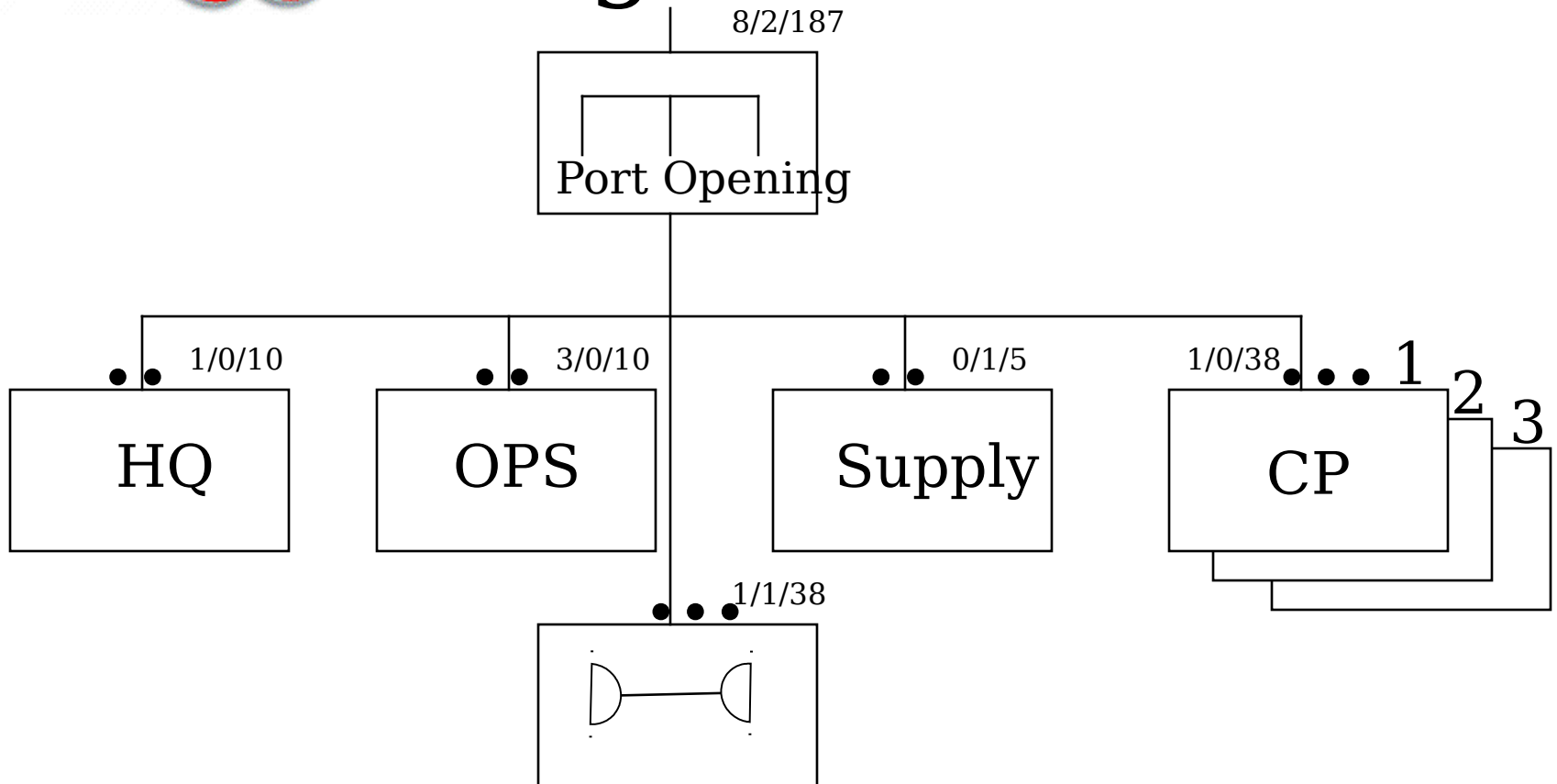
MISSION: PROVIDE SPECIALIZED ENGR SUPPORT IN OPENING REHABILITATING, MAINTAINING PORT FACILITIES, TO INCLUDE LOTS OPS.

ASSIGNMENT: TO A SENIOR ENGR HQ (GROUP OR HHD ENGR TEAM). ATTACHED TO TRANSPORTATION TERMINAL BN.

EMPLOYMENT: AUGMENTS A CMBT HVY BN WITH SPECIALIZED EQUIPMENT. ONE OR MORE CONSTRUCTION PL MAY DEPLOY INDEPENDENTLY.



Organization





CAPABILITIES

- **SPECIALIZED PERSONNEL & EQUIPMENT FOR CONSTRUCTION OF:**

- **LOTS OPERATIONS**

- **OFF SHORE FACILITIES SUCH AS:**

- **MOORING SYSTEM**
- **BREAKWATERS**
- **WHARFS**
- **JETTIES,**
- **PIERS**
- **OTHER CARGO HANDLING**

STR

- **FACILITIES FOR ROLL ON, ROLL OF BREAK BULK AND CONTAINERIZED CARGO HANDLING.**

- **TANKER DISCHARGE FACILITIES (POL JETTIES, SUBMARINE PIPELINE).**

- **LIMITED DREDGING AND REMOVAL OF UNDER WATER OBSTRUCTIONS.**

- **INSTAL OFF-SHORE PETROLEUM DISCHARGE SYSTEM WHERE NO NAVAL UNITS ASSIGNED.**



DEPENDS ON:

- **HVY DIVING TEAM FOR UNDER WATER CONSTRUCTION, SURVEY, RECON, AND RECOVERY.**
- **CMBT HVY BN FOR ADDITIONAL PERSONNEL AND EQUIPMENT SUPPORT IN REHAB AND CONSTRUCTION OR PORT.**
- **TRANSPORTATION UNITS FOR BARGE TYPE PIERS, ELEVATED CAUSEWAYS AND FLOATING CRAFT.**



BACKUP SLIDES



ARTEP TASK LIST

- **PILE DRIVING**
- **PIER AND RAMP CONSTRUCTION**
- **PIER REHABILITATION**
- **WOODEN DOLPHIN CONSTRUCTION**
- **UNDER WATER EXCAVATION**
- **LANDING CRAFT RAMPS**
- **UNDER WATER PIPELINE INSTALLATION**
- **MOORING PILES INSTALLATION**
- **CONVENTIONAL UNDER WATER ANCHOR SYSTEM
INSTALLATION**
- **HARBOR CRAFT REPAIR AND REFUELING FACILITIES
CONSTRUCTION**
- **ROCK CRIB CONSTRUCTION**



SUMMARY OF COMPANY TRAINING/MISSION (LAST 5 YEARS)

801ST (MARE ISLAND, CA)

- **OVERLAND PILE DRIVING AND PIER CONSTRUCTION**
- **CONCRETE, MASONRY, ROUGH AND FINISH CARPENTRY, AND ELECTRICAL CONSTRUCTION**
- **2 YEARS AGO THE UNIT REBUILT A FINGER PIER AND DROVE 200 PILES**
- **3 & 4 YEARS AGO THE UNIT DEPLOYED TO THE MARSHALL ISLANDS TO DRIVE SHEET PILE AND PERFORM TYPHOON REHABILITATION**
- **THE UNIT HAS A COMPLETELY EQUIPPED AND TRAINED SURVEYOR SECTION**
- **THIS UNIT HAS PIPELINE-LAYING EQUIPMENT BUT NO ONE IS TRAINED ON THE EQUIPMENT**
- **THE COMPANY MOVED TO ITS CURRENT LOCATION 2 YEARS AGO AND IS STILL GOING THROUGH THE TRANSITION AND MOVING PROCESS**

699TH (CEIBA, PUERTO RICO)

- **PIER AND RAMP CONSTRUCTION IN FLORIDA**
- **PIER REHABILITATION IN PUERTO RICO AND THE US VIRGIN ISLANDS**



Concerns

- Dive detachment
- 88K & 88L
- Vibratory Hammer
- Impact Hammers that work
- Corrosion of equipment



Concerns

- Asphalt/Concrete operator MOS, but no asphalt equipment
- Transportation of pontoons sections
- Outdated 40T cranes and parts
- Hauling assets (Lowboys)